

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Cancelled).

2. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11,
wherein,
said material pieces have identical shape and identical size to each other,
said hole having a circular prism shape, a central axis of said hole is identical with said
central axis of said material piece, and
said arrangement is one such that said bases of said material pieces makes a plane and
said sides of said material pieces are adjacent to each other.

3. (Cancelled)

4. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11,
wherein said material pieces are piled one on top of the other within said casing.

5. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11
further comprising a plurality of said casings, wherein, said casings are piled one on top of the
other, and

the central axes of the central material pieces within the plurality of casings are generally aligned.

6. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11, wherein, material of said material piece is SUS304 stainless steel.

7. (Cancelled).

8. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11, wherein,

a length of the side of said equilateral hexagon being designated as a cross section of said equilateral hexagonal prism of said material piece, is equal to or less than 10 mm, and

a height of said equilateral hexagonal prism is shorter than said length of said side.

9. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11, wherein,

said spiral groove of said internal perimeter surface of said hole of said material piece, has a triangular screw thread shape.

10. (Currently amended): The ~~fluid~~ liquid processing device as defined in claim 11, wherein the container is SUS304 stainless steel.

11. (Currently amended): A ~~fluid~~ liquid processing device comprising,

a container having an intake and an outlet, and

heat-treated material pieces provided within said container, said material pieces each having an external shape of an equilateral hexagonal prism, and said material pieces each having a hole of an annular section penetrating through a base and a top thereof;

an internal surface of said hole having a spiral groove;

a material of said material piece being selected from the group consisting of austenitic stainless steel, martensitic stainless steel;

a casing securely fixing the material pieces in an arrangement and said casing having openings in a top plate and a bottom plate corresponding to said holes of the material pieces;

said arrangement being such that central axes of the material pieces are parallel to each other; wherein said central axes of each is an axis which is parallel to six sides of said equilateral hexagonal prism and perpendicular to said base and said top thereof;

wherein said arrangement is one such that said material pieces form a second equilateral hexagonal prism within said casings and said holes in the material pieces and openings in the casing are aligned;

wherein said material pieces within said casing are positioned in said container between the intake and outlet.

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12. (Currently amended): A ~~fluid~~ liquid processing device as defined in claim 11,
wherein,

said openings in said casing are generally aligned with a principal stream direction of
processed fluid which pass through said container.

13. (Currently amended): A ~~fluid~~ liquid processing device as defined in claim 12,
wherein,

~~said fluid is liquid, and~~

said ~~fluid~~ liquid processing device is connected to a service pipe to supply said liquid, and
said liquid is pressurized comparing with surrounding atmospheric pressure in said pipe.

14-15. (Cancelled).